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Photographs I-2031-AA and I-606-CC--NEW HIGH-SPEED CULTIVATING SWEEPS. In an accompanying illustration is shown a Farmall 20 equipped with pneumatic tires doing a speedy and thorough job of cultivating soybeans. The increasing use of such tires has brought about a demand for specially designed high-speed cultivating equipment. Corn growers are particularly interested in this new high-speed equipment. To satisfy this demand International Harvester engineers have developed "Hi-Speed" sweeps which make it possible to cultivate at 4 to 5 miles an hour and at the same time do a first-class job.

A usual arrangement of these "Hi-Speed" sweeps and half-sweeps on a two-row cultivator, with half-sweeps working next to the crop rows, is shown in an accompanying illustration. The four outer sweeps are of 10-inch size and the three full center sweeps of 12-inch size. The 12-inch center sweeps may be used either on the front section or on the rear section when the cultivator is equipped with a rear section.

The sweeps skim under the surface just an inch or so, thus effectively clipping off the weeds without throwing dirt on the plant rows. They do not dig nor do they plow. They cultivate the crop by killing the weeds and leaving a fine smooth surface mulch. They do a clean job of cultivating even in bindweed.

With these "Hi-Speed" sweeps closer, cleaner cultivation is possible. Weeds use moisture and when more weeds are killed by this closer cultivation extra moisture is available for the crop during the growing season. As a result plants grow stronger and so produce greater yields. The sweeps also leave the field level which is a particular advantage in cross-cultivating checkrowed crops.

Note: This caption article is attached to each of photographs numerated.